**Assisted Practice: 1.1 Type Casting**

* Create a Java project in your IDE
* Write a program in Java to perform implicit and explicit type casting

This lab has three subsections, namely:

* + 1. Writing a program in Java to implement implicit and explicit type casting
    2. Executing the program and verifying how the conversion of data types happen
    3. Pushing the code to your GitHub repositories

**Step 1.1.1: Writing a program in Java to implement implicit and explicit type casting**

There are two ways you can perform this step; you can create a new Java project, or you can create a new Java class in the existing project. It is preferable to create a new Java class in the existing project but feel free to explore the first option. The steps mentioned below will work once you create a project in Java.

* Open Eclipse
* *[Right click]* on the **src** folder of the project
* Select *New* -> *Java Class* -> Enter the filename (follow camelCasing)
* Execute the below code resolving the warning and errors due compatibility-related issues

public class WideningTypeCastingExample

{

public static void main(String[] args)

{

int x = 7;

//automatically converts the integer type into long type

long y = x;

//automatically converts the long type into float type

float z = y;

System.out.println("Before conversion, int value "+x);

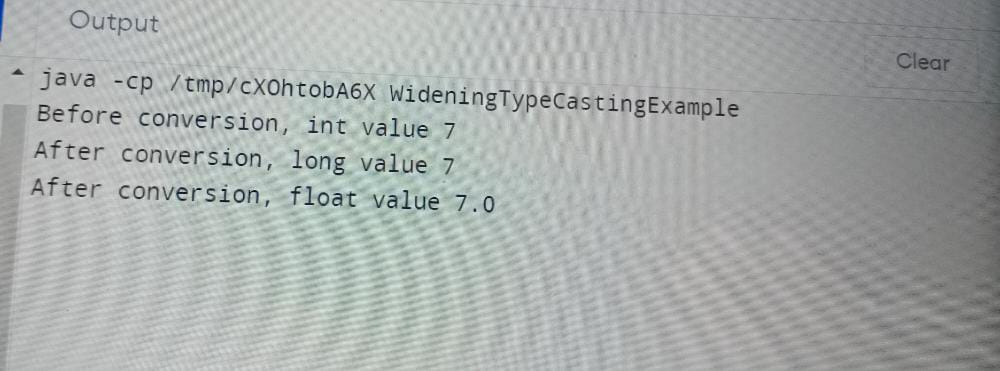
System.out.println("After conversion, long value "+y);

System.out.println("After conversion, float value "+z);

}

}

**Output:**

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